

Paola Cirino

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Current Position: tecnologo II° livello, Senior Technologist

Current Affiliation:

Section Research Infrastructures for Marine Biological Resources (RIMAR), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Università degli Studi “Federico II” di Napoli, Italy. Facoltà di Scienze Biologiche	Master (Laurea, <i>cum laude</i>)	1979-1983	Biological sciences
Aquarium and Museo delle Collezioni Scientifiche, Stazione Zoologica Anton Dohrn, Napoli, Italy	Borsa di Studio	1983-1988	Aquariology and Museology
Aquarium, Stazione Zoologica Anton Dohrn, Napoli, Italy	Tecnologo	1989-2000	Aquariology, Aquaculture
Marine Resources for Research Service, Stazione Zoologica Anton Dohrn, Napoli, Italy	1° Tecnologo	2000-present	Aquariology, Aquaculture

Appointments and awards

1995 – 2000 : Appointed for the institution and the management of a Facility for the Maintenance and Breeding of Marine Animal Models (Marine Resources for Research, MaReR) of the Stazione Zoologica Anton Dohrn of Naples, Italy

2008 - 2013 : Responsible in the ASSEMBLE Project (FP7 – Infrastructures – 2008-1) for tasks on the animal models *C.intestinalis*; *P.lividus*; *S.officinalis*; *Aplysia* spp. (JRA1- WP13)

2012 - 2013: Member of the Transnational Access Committee in ASSEMBLE (FP7 – Infrastructures – 2008-1) for the *wet services* SZN

2012 - 2013: Member of the EMBRC-task force for the *Planning of Top-quality Research Services: Strategic work* (Work Package 2) (EMBRC Scientific Strategy Report D2.2 PPhase). SZN representative for *Aquaria and Culture* (WG2) and MaReR facility.

2010 - 2015 : Head of the MaReR Facility of the Stazione Zoologica Anton Dohrn

2015 – present: Appointed for the institution and the management of a Facility for Marine Taxonomy Services into the Section Research Infrastructures for Marine Biological Resources (RIMAR), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Other

Member of the European Aquaculture Society

Winner of the Best Poster Award at AE2011: Mediterranean Aquaculture 2020 (“A long-term laboratory maintenance system for promoting out-of-season maturation in the sea urchin *Paracentrotus lividus* (Lamarck, 1816). In: Aquaculture Europe 2011; Abstracts : 195.)

Partecipant in the local Projects “Ostreopsis” IZS ME/07 RC e IZS ME 08/09 RC (U.O. 3EMS SZN/ U.O. 4EMS SZN)

Supervisor of undergraduate students, master students, trainees and project workers

Publications

List of publications of the last 10 years:

Peer-reviewed publications:

Crocetta, F., Marino, R., **Cirino, P.**, Macina, A., Staiano, L., Esposito, R., Pezzotti, M. R., Racioppi, C., Toscano, F., De Felice, E., Locascio, A., Ristoratore, F., Spagnuolo, A., Zanetti, L., Branno, M. and Sordino, P. **2015**. Mutation studies in ascidians: A review. *Genesis*, 53: 160–169. doi: 10.1002/dvg.22837

Della Torre C., Bergami E, Salvati A, Faleri C, **Cirino P**, Dawson KA, Corsi I. **2014**. Accumulation and Embryotoxicity of Polystyrene Nanoparticles at Early Stage of Development of Sea Urchin Embryos *Paracentrotus lividus*. *Environmental Science & Technology*, 48(20): 12302- 11.

Sorrenti G., Bagnoli A, Miraglia V, Crocetta F, Vitiello V, Ristoratore F, **Cirino P**, Sansone G, Sordino P. **2014**. Investigating sperm cryopreservation in a model tunicate, *Ciona intestinalis* sp. A *Cryobiology* 68 (1) : 43-9.

Caputi L., Crocetta F, Toscano F, Sordino P & **Cirino P**. **2014**. Long-term demographic and reproductive trends in *Ciona intestinalis* sp. A. *Marine Ecology AEP*, DOI: 10.1111/MAEC.12125

Sordino P, Andreakis N, Brown ER, Leccia NI, Squarzone P, Tarallo R, Alfano C, Caputi L, D'Ambrosio P, Daniele P, D'Aniello E, D'Aniello S, Maiella S, Miraglia V, Russo MT, Sorrenti G, Branno M, Cariello L, **Cirino P**, Locascio A, Spagnuolo A, Zanetti L, Ristoratore F., **2008** - Natural variation of model mutant phenotypes in *Ciona intestinalis*. *PLoS ONE*, 3(6) : e2344

Caputi L, Andreakis N, Mastrototaro F, **Cirino P**, Vassillo M, Sordino P., **2007** - Cryptic speciation in a model invertebrate cordate. *Proc Natl Acad Sci U S A*, 104(22):9364-9.

Cirino P., Toscano A., Caramiello D., Macina A., Miraglia V., Monte A., **2002** – Laboratory culture of the ascidian *Ciona intestinalis* (L.): a model system for molecular developmental biology research. *Mar. Mod. Elec. Rec.* [serial online].

Sordino P., Heisenberg C.P., **Cirino P.**, Toscano A., Giuliano P., Marino R., Pinto M.R., De Santis R., **2000** – A mutational approach to the protochordate *Ciona intestinalis* (Tunicata, Chordata). *Sarsia*, 85 (2) : 173-176.

Iannini E. A., Carosa E, **Cirino P.**, Toscano A., Pepe M., D'Armiento M., **1996** - Thyroid hormone effect on ascidian metamorphosis. *Journal of Endocrinological Investigation* Vol.19, Suppl.n°5: 38.

Cirino P., Toscano A. , Bentivegna F., **1995** - Reproduction of *Astroides calycularis* in the Naples Aquarium Italy. *Proceedings of the "The Third International Aquarium Congress"*, Boston (USA). 1993.

Bentivegna, F., **Cirino P.**, Toscano A., **1994** - Threats to *Caretta caretta* in the Gulf of Naples. *NOAA Technical Memorandum NMFS-SEFSC-351*: 188-189. (Proceedings of "The 14th Annual Symposium on Sea Turtle Biology and Conservation).

Bentivegna F., **Cirino P.**, Toscano A., **1993** - Care and treatment of loggerhead sea turtles from the Gulf of Naples, Italy. *Marine Turtle Newsletter*, 61: 6-7.

Bentivegna F., **Cirino P.**, Toscano A., **1993** - Sea turtles in the Naples Aquarium: conservation policy. *Mémoires de l'Institut océanographique Paul Ricard* : 39-42. (Proceedings of E.U.A.C. Conference, Naples october 1992).

Toscano A., Bentivegna F., **Cirino P.**, **1992** - Holothurians' responses to attack by the tonnid gastropod *Tonna galea*. *Echinoderm Research 1991* : 204, L. Scalera-Liaci & C. Canicattì (eds) 1992 Balkema/Rotterdam.

Bentivegna F., **Cirino P.**, Toscano A., **1989** - Les Astérides: proies d'élection du Gastéropode *Charonia lampas lampas*. *Vie Marine*, 10: 250.

Bentivegna F., **Cirino P.**, Toscano A., **1989** - Expériences, en aquarium, sur le comportement alimentaire de *Charonia (Charonia) rubicunda* (Perry, 1811) (Mollusca, Gastropoda, Cymatiidae). *Bulletin de l'Istitut océanographique Monaco*, n° special 5: 133-139.

Bentivegna F., **Cirino P.**, Fiore L., Geppetti L., **1988** – Control of feeding behaviour in *Aplysia depilans* by haemolymphatic glucose. *Marine Behaviour and Physiology*, 13 : 113-123.

Bentivegna F., **Cirino P.**, Fiore L., Geppetti L., **1987** – Factors regulating food ingestion behaviour in *Aplysia depilans* Poiret (Gastropoda Opisthobranchia). *Monitore Zoologico Italiano*, 21 : 174.

Bentivegna F., **Cirino P.**, **1987** - Reintegration de *Caretta caretta* (L.) dans la Méditerranée. *Vie Marine*, série 8: 126-128.

Bentivegna F, **Cirino P**, Rasotto MB, **1985** - Further Investigations into Sex Reversal of *Coris julis* L. (Pisces, Labridae). *Bollettino di Zoologia*, vol. 52, p. 355-358, ISSN: 0373-4137

Bentivegna F., **Cirino P.**, **1984** . Sexual inversion in *Coris julis*. *CYBIUM*, vol. 8(2) : 51-61, ISSN: 0399-0974

On line Protocols:

Cirino P., 2013. Dissection of the endostyle in *Ciona intestinalis*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Cirino P., Toscano A., 2012. Spawning of gametes in *Paracentrotus lividus*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Cirino P., Francone M., Ristoratore F., Zanetti L., 2012. Preparation of Ascidian hemolymph for the culture of *Ciona* cells. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Cirino P., 2012. Induced spawning of gametes in *Ciona intestinalis*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Cirino P., Toscano A., 2012. Fertilization in *Paracentrotus lividus*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Cirino P, Brown E., 2010. Protocol for fertilization tests in *Ciona intestinalis*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Lasbleiz R, Leveque L, Schires G, **Cirino P., 2010.** Materials and packaging techniques for the shipment of *Ciona intestinalis*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Cirino P, Lasbleiz R, Leveque L, Schires G., 2010. Health and maturation status of *Ciona intestinalis*. In: ASSEMBLE virtual tool box protocols www.assemblemarine.org.

Book Chapters:

Toscano A., **Cirino P., 2010** – Allevamento di stadi larvali di riccio di mare. In: Metodologie di studio del Plancton marino. Manuali e Linee guida ISPRA/SIBM Vol. 56 (cap.50): 601-608. ISBN 978-88-448-0427-5